

## Refine Search

### Search Results -

Terms	Documents
L5 "dipalmitoyl phosphatidyl choline"	7

Database:

US Pre-Grant Publication Full-Text Database  
 US Patents Full-Text Database  
 US OCR Full-Text Database  
 EPO Abstracts Database  
 JPO Abstracts Database  
 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

Search:

L6

Refine Search

Recall Text

Clear

Interrupt

### Search History

DATE: Thursday, June 10, 2004   [Printable Copy](#)   [Create Case](#)

<u>Set</u> <u>Name</u> side by side	<u>Query</u>	<u>Hit</u> <u>Count</u>	<u>Set</u> <u>Name</u> result set
	<i>DB=USPT; PLUR=YES; OP=AND</i>		
<u>L1</u>	5698537\$.did.	1	<u>L1</u>
<u>L2</u>	6482391\$.did.	1	<u>L2</u>
	<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI; PLUR=YES; OP=AND</i>		
<u>L3</u>	phospholipid "dry powder" "phosphatidyl cholines" ("phosphatidyl glycerols" or "phosphatidyl ethanolamine" or "phosphatidyl serine" or "phosphatidyl inositol")	200	<u>L3</u>
<u>L4</u>	L3 (inhalation or inhale) lung	79	<u>L4</u>
<u>L5</u>	(asthma or anti-asthma or respiratory) L4	73	<u>L5</u>
<u>L6</u>	L5 "dipalmitoyl phosphatidyl choline"	7	<u>L6</u>

END OF SEARCH HISTORY

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:ssspta1619mxh

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	JAN 27	Source of Registration (SR) information in REGISTRY updated and searchable
NEWS	4	JAN 27	A new search aid, the Company Name Thesaurus, available in CA/Caplus
NEWS	5	FEB 05	German (DE) application and patent publication number format changes
NEWS	6	MAR 03	MEDLINE and LMEDLINE reloaded
NEWS	7	MAR 03	MEDLINE file segment of TOXCENTER reloaded
NEWS	8	MAR 03	FRANCEPAT now available on STN
NEWS	9	MAR 29	Pharmaceutical Substances (PS) now available on STN
NEWS	10	MAR 29	WPIFV now available on STN
NEWS	11	MAR 29	New monthly current-awareness alert (SDI) frequency in RAPRA
NEWS	12	APR 26	PROMT: New display field available
NEWS	13	APR 26	IFIPAT/IFIUDB/IFICDB: New super search and display field available
NEWS	14	APR 26	LITALERT now available on STN
NEWS	15	APR 27	NLDB: New search and display fields available
NEWS	16	May 10	PROUSDDR now available on STN
NEWS	17	May 19	PROUSDDR: One FREE connect hour, per account, in both May and June 2004
NEWS	18	May 12	EXTEND option available in structure searching
NEWS	19	May 12	Polymer links for the POLYLINK command completed in REGISTRY
NEWS	20	May 17	FRFULL now available on STN
NEWS	21	May 27	STN User Update to be held June 7 and June 8 at the SLA 2004 Conference
NEWS	22	May 27	New UPM (Update Code Maximum) field for more efficient patent SDIs in Caplus
NEWS	23	May 27	Caplus super roles and document types searchable in REGISTRY
NEWS	24	May 27	Explore APOLLIT with free connect time in June 2004
NEWS EXPRESS			MARCH 31 CURRENT WINDOWS VERSION IS V7.00A, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 26 APRIL 2004
NEWS HOURS			STN Operating Hours Plus Help Desk Availability
NEWS INTER			General Internet Information
NEWS LOGIN			Welcome Banner and News Items
NEWS PHONE			Direct Dial and Telecommunication Network Access to STN
NEWS WWW			CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may

result in loss of user privileges and other penalties.

\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 14:13:21 ON 10 JUN 2004

=> FIL STNGUIDE

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'STNGUIDE' ENTERED AT 14:13:31 ON 10 JUN 2004

USE IS SUBJECT TO THE TERMS OF YOUR CUSTOMER AGREEMENT

COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY, JAPAN SCIENCE

AND TECHNOLOGY CORPORATION, AND FACHINFORMATIONSZENTRUM KARLSRUHE

FILE CONTAINS CURRENT INFORMATION.

LAST RELOADED: Jun 4, 2004 (20040604/UP).

=> FIL HOME

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.06

0.27

FILE 'HOME' ENTERED AT 14:13:37 ON 10 JUN 2004

=> file caplus medline

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.48

FILE 'CAPLUS' ENTERED AT 14:13:51 ON 10 JUN 2004

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'MEDLINE' ENTERED AT 14:13:51 ON 10 JUN 2004

=>

=> s phosphatidyl phospholipid inhalation

L1 0 PHOSPHATIDYL PHOSPHOLIPID INHALATION

=> s phospholipid and inhalation

L2 591 PHOSPHOLIPID AND INHALATION

=> s l2 and phosphatidyl

L3 4 L2 AND PHOSPHATIDYL

=> d l3 all

L3 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1975:11883 CAPLUS

DN 82:11883

ED Entered STN: 12 May 1984

TI Effect of sulfur dioxide **inhalation** on the formation of  
**phospholipids** in the lung

AU Seto, Katsuo; Ishida, Shiro; Imamiya, Tomo; Kawakami, Masazumi; Sugita,  
Kido; Shishido, Masao

CS Sch. Med., Yokohama City Univ., Yokohama, Japan

SO Igaku to Seibutsugaku (1974), 88(1), 55-8

CODEN: IGSBAL; ISSN: 0019-1604

DT Journal

LA Japanese

CC 4-3 (Toxicology)

AB **Inhalation** of SO2 [7446-09-5] (1 ppm, 1-3 hr/day for 2 weeks) by rabbits decreased the liogenic activity in lung slices, especially the incorporation of acetate-14C into sphingomyelin, lecithin, **phosphatidyl** inositol, **phosphatidyl** serine and **phosphatidyl** ethanolamine fractions.

ST lipid formation lung sulfur dioxide; **phospholipid** formation lung sulfur dioxide

IT Lipids  
RL: FORM (Formation, nonpreparative)  
(formation of, by lung, sulfur dioxide inhibition of)

IT Lung, metabolism  
(lipids formation by, sulfur dioxide inhibition of)

IT 7446-09-5, biological studies  
RL: BIOL (Biological study)  
(lipids formation by lung in response to)

=> d l3 all 2-3

L3 ANSWER 2 OF 4 MEDLINE on STN  
AN 2002438359 MEDLINE  
DN PubMed ID: 12195820  
TI Lung surfactant **phospholipids** inhibit the uptake of respirable microspheres by the alveolar macrophage NR8383.  
AU Jones B G; Dickinson P A; Gumbleton M; Kellaway I W  
CS Welsh School of Pharmacy, Cardiff University, Cardiff, CF10 3XF, UK.  
SO Journal of pharmacy and pharmacology, (2002 Aug) 54 (8) 1065-72.  
Journal code: 0376363. ISSN: 0022-3573.  
CY England: United Kingdom  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 200303  
ED Entered STN: 20020829  
Last Updated on STN: 20030319  
Entered Medline: 20030318

AB Fluorescent poly(lactic-co-glycolic acid) microspheres of a respirable size were fabricated for use in a fluorescent activated cell sorting assay utilizing the continuous alveolar macrophage NR8383. This is a suitable model of alveolar phagocytosis, which permitted an investigation of the influence of **phospholipid** structure on the inhibition of phagocytosis of microspheres. **Phospholipid** inhibition was found to be independent of phosphatidylcholine alkyl chain length. Head group effects were investigated by studies employing **phosphatidyl** -choline, -serine, and -ethanolamine, and inhibition was shown to be independent of head group. Closer modelling of the lung environment by co-culturing NR8383 on A549 alveolar epithelium showed type II secretions to also down-regulate phagocytosis. In addition, pre-incubation with microspheres coated with dipalmitoylphosphatidylcholine reduced the uptake of a second microsphere (fluorescein isothiocyanate-labelled latex).

CT Check Tags: Male  
**Administration, Inhalation**  
Animals  
Lung: CY, cytology  
\*Macrophages, Alveolar: PH, physiology  
Microspheres  
Phagocytosis  
**\*Phospholipids: PD, pharmacology**  
\*Polyglactin 910: PK, pharmacokinetics  
\*Pulmonary Surfactants: PD, pharmacology  
Rats  
Rats, Sprague-Dawley  
RN 34346-01-5 (Polyglactin 910)  
CN 0 (**Phospholipids**); 0 (Pulmonary Surfactants)

L3 ANSWER 3 OF 4 MEDLINE on STN  
 AN 88054564 MEDLINE  
 DN PubMed ID: 3678042  
 TI Effect of chronic acetaldehyde intoxication on ethanol tolerance and membrane fatty acids.  
 AU Latge C; Lamboeuf Y; Roumec C; de Saint Blanquat G  
 CS Unite de Recherche en Toxicologie Alimentaire, I.N.S.E.R.M. U-87, Universite Paul Sabatier, Toulouse, France.  
 SO Drug and alcohol dependence, (1987 Sep) 20 (1) 47-55.  
 Journal code: 7513587. ISSN: 0376-8716.  
 CY Switzerland  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 EM 198712  
 ED Entered STN: 19900305  
 Last Updated on STN: 19980206  
 Entered Medline: 19871221  
 AB Recent studies have suggested that acetaldehyde participates directly in the pathogenesis of alcoholism. Its action has been attributed mainly to its physico-chemical properties. Results of direct intoxication of laboratory animals with acetaldehyde have been reported, but only for short periods of exposure and at high doses. These are probably not representative of the conditions found during alcohol intoxication. The pulmonary route of administration described here enables long term intoxication with acetaldehyde, at levels corresponding to values measured during chronic ethanol intoxication. Chronic administration of acetaldehyde during 3 weeks induced a metabolic tolerance to ethanol as tested by the sleeping time after a challenge dose of ethanol; behavioural tolerance (measured by blood alcohol levels on waking) was not observed. At the end of the intoxication, **phospholipid** fatty acids of erythrocyte and synaptosome membranes were also analysed. Small changes in levels of the shorter fatty acids were observed in the **phosphatidyl**-choline fraction. By comparison with the effects of ethanol on the same membrane preparations, only a small part of this effect can be attributed to acetaldehyde. The first metabolite of ethanol has, however, a sure effect on the pattern of fatty acid **phospholipids**.  
 CT Check Tags: Male; Support, Non-U.S. Gov't  
 Acetaldehyde: BL, blood  
 \*Acetaldehyde: TO, toxicity  
 Administration, Inhalation  
 Animals  
 Drug Tolerance  
 Erythrocytes: AN, analysis  
 Erythrocytes: DE, drug effects  
 Ethanol: BL, blood  
 Ethanol: ME, metabolism  
 \*Ethanol: PD, pharmacology  
 \*Fatty Acids: AN, analysis  
 \*Membrane Lipids: AN, analysis  
 Rats  
 Rats, Inbred Strains  
 Synaptosomes: AN, analysis  
 Synaptosomes: DE, drug effects  
 RN 64-17-5 (Ethanol); 75-07-0 (Acetaldehyde)  
 CN 0 (Fatty Acids); 0 (Membrane Lipids)